

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	((("pfd") or (phase adj2 frequency adj3 detect\$3)) near5 frequency near5 center near4 frequency near5 ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:39
L2	1	((("pfd") or (phase adj2 frequency adj3 detect\$3)) with frequency near5 center near4 frequency near5 ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:39
L3	1	((("pfd") or (phase adj2 frequency adj3 detect\$3)) with frequency near5 center near4 frequency with ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:39
L4	2	((("pfd") or (phase adj2 frequency adj3 detect\$3)) same frequency near5 center near4 frequency with ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:42
L5	2	((("pfd") or (phase adj2 frequency adj3 detect\$3)) same frequency near5 center with ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:42
L6	2	((("pfd") or (phase adj2 frequency adj3 detect\$3)) same frequency with center with ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:42
L7	2	((("pfd") or (phase adj2 frequency adj3 detect\$3)) same frequency with center same ((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:43
L8	144	((("pfd") or (phase adj2 frequency adj3 detect\$3)) same frequency with center	US-PGPUB; USPAT	OR	ON	2007/04/25 09:43
L9	46459	((("bpf") or (band adj2 pass adj3 (filter\$5 or equali\$6))))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:43
L10	17	8 and 9	US-PGPUB; USPAT	OR	ON	2007/04/25 09:43
L11	15	10 not 7	US-PGPUB; USPAT	OR	ON	2007/04/25 09:50

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L12	3	center near5 frequency same (((band adj3 pass) near4 (filter\$5 or equali\$6)) or "bpf") same (("pfd") or (phase adj2 frequency adj3 detect\$3))	US-PGPUB; USPAT	OR	ON	2007/04/25 10:00
L13	41	(((band adj3 pass) near4 (filter\$5 or equali\$6)) or "bpf") same (("pfd") or (phase adj2 frequency adj3 detect\$3))	US-PGPUB; USPAT	OR	ON	2007/04/25 09:59
L14	43027	center near5 frequency	US-PGPUB; USPAT	OR	ON	2007/04/25 10:00
L15	8	13 and 14	US-PGPUB; USPAT	OR	ON	2007/04/25 11:33
L16	7947	375/316,322,324,354,371,373,374, 375,376.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/25 11:35
L17	27	8 and 16	US-PGPUB; USPAT	OR	ON	2007/04/25 11:36
L18	2519	327/524,551,552,554,555,557.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/25 11:38
L19	52	((band adj1 pass adj3 (filter\$5 or equali\$6)) or "bpf") same node same resistor near3 capacitor	US-PGPUB; USPAT	OR	ON	2007/04/25 11:38
L20	6	18 and 19	US-PGPUB; USPAT	OR	ON	2007/04/25 11:38
S2	23	WU-STEPHEN.in.	US-PGPUB; USPAT	OR	ON	2007/04/23 14:28
S3	0	((phase near2 frequency near3 detect\$3) or "pfd") with ((charge near2 pump) or "cp") with amplitude near2 detect\$3 with ((low adj2 pass near2 filter) or "lpf") with ((band adj1 pass adj1 filter) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/23 15:40
S4	748	((phase near2 lock near2 loop) or "pll") with ((band near2 pass near2 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/23 15:40
S5	2	(tun\$3) with ((band near2 pass near2 (filter\$5 or equali\$6)) or "bpf") same (trans\$1conductance near3 capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:43
S6	1	((phase near2 lock near2 loop) or "pll") with ((band near2 pass near2 (filter\$5 or equali\$6)) or "bpf") same (trans\$1conductance near3 capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:37

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S7	1	((phase near2 lock near2 loop) or "pll") with ((band near2 pass near2 (filter\$5 or equali\$6)) or "bpf") same (trans\$1conductance with capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:37
S8	2	((phase near2 lock near2 loop) or "pll") same ((band near2 pass near2 (filter\$5 or equali\$6)) or "bpf") same (trans\$1conductance with capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:39
S9	10	((phase near2 lock near2 loop) or "pll") same ((band near2 pass near2 (filter\$5 or equali\$6)) or "bpf" or ((gm\$1C) near4 (filter\$5 or equali\$6))) same (trans\$1conductance with capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 14:41
S10	13	("5245646"   "5625317"   "5635884"   "5715529"   "5793251"   "5825265"   "5912583"   "5914633"   "5945889"   "6317016"   "6574288"   "6677814"   "6842710").PN. OR ("7019586").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 14:58
S11	1	(identical\$2 or similar\$3) same (("gm") or gm\$1c or (trans\$1conduct\$4)) with (((band adj2 pass) near2 (filter\$5 or equali\$6)) or "bpf") same (("vco") or (voltage adj3 control adj3 oscillat\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 15:02
S12	1	(identical\$2 or similar\$3) same (("gm") or gm\$1c or (trans\$1conduct\$4)) SAME (((band adj2 pass) near2 (filter\$5 or equali\$6)) or "bpf") same (("vco") or (voltage adj3 control adj3 oscillat\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 15:02
S13	5	(US-20060044961-\$).did. or (US-5530399-\$ or US-6727768-\$ or US-6574288-\$ or US-5625317-\$).did.	US-PGPUB; USPAT	OR	ON	2007/04/23 15:37
S14	2	S5 and (band near2 pass)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:37
S15	2	S5 and ( pass)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:37
S16	2	S5 and ( band)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:37
S17	10	"6574288"	US-PGPUB; USPAT	OR	ON	2007/04/23 15:38

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S18	7	"5530390"	US-PGPUB; USPAT	OR	ON	2007/04/23 15:39
S19	4	S18 and pass	US-PGPUB; USPAT	OR	ON	2007/04/23 15:39
S20	19	"5530399"	US-PGPUB; USPAT	OR	ON	2007/04/23 15:39
S21	0	((phase near2 frequency near3 detect\$3) or "pfd") with ((charge near2 pump) or "cp") near4 ((band adj1 pass adj1 filter) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/23 15:41
S22	64	((phase near2 frequency near3 detect\$3) or "pfd") with ((band adj1 pass adj1 filter) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/23 15:41
S23	11	((phase near2 frequency near3 detect\$3) or "pfd") near3 ((band adj1 pass adj1 filter) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/23 15:43
S24	1	((phase near2 frequency near3 detect\$3) or "pfd") with((band adj1 pass adj1 filter) or "bpf") same (trans\$1conductance near3 capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:43
S25	1	((phase near2 frequency near3 detect\$3) or "pfd") same ((band adj1 pass adj1 filter) or "bpf") same (trans\$1conductance near3 capacit\$4)	US-PGPUB; USPAT	OR	ON	2007/04/23 15:43
S26	1	((phase near2 frequency near3 detect\$3) or "pfd") same ((band adj1 pass adj1 filter) or "bpf") same ((trans\$1conductance near3 capacit\$4) or gm\$1c )	US-PGPUB; USPAT	OR	ON	2007/04/23 15:44
S27	1	((phase near2 frequency near3 detect\$3) or "pfd") same ((band adj1 pass adj1 (filter\$5 or equali\$7)) or "bpf") same ((trans\$1conductance near3 capacit\$4) or gm\$1c )	US-PGPUB; USPAT	OR	ON	2007/04/23 15:44
S28	1	((phase near2 frequency near3 detect\$3) or "pfd") same ((band adj1 pass adj1 (filter\$5 or equali\$7)) or "bpf") same ((trans\$1conductance near3 capacit\$4) or gm\$1c or ("gm" near2 conductance))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:44

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S29	6	("pll" or (phase adj1 lock adj2 loop)) same ((band adj1 pass adj1 (filter\$5 or equali\$7)) or "bpf") same ((trans\$1conductance near3 capacit\$4) or gm\$1c or ("gm" near2 conductance))	US-PGPUB; USPAT	OR	ON	2007/04/23 15:45
S30	8	("5408196"   "6112125").PN. OR ("6512414").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:35
S31	35497	(filter\$5 or equali\$7) with tun\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:36
S32	108	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) ((gm near4 tans41conduct\$4) or gm\$2c) near5 linear	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:39
S33	78	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) ((gm near4 tans41conduct\$4) or gm\$2c) near5 linear same (("pll") or (phase adj2 lock adj2 loop))	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:40
S34	76	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) ((gm near4 tans41conduct\$4) or gm\$2c) near5 linear same (("pll") or (phase adj2 lock adj2 loop)) same (band adj2 pass adj1 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:40
S35	0	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) near4 ((gm near4 tans41conduct\$4) or gm\$2c) near5 linear same (("pll") or (phase adj2 lock adj2 loop)) same (band adj2 pass adj1 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:40
S36	0	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) with ((gm near4 tans41conduct\$4) or gm\$2c) near5 linear same (("pll") or (phase adj2 lock adj2 loop)) same (band adj2 pass adj1 filter)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:41

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S37	0	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) with ((gm near4 tans41conduct\$4) or gm\$2c) near5 linear	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:41
S38	0	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) near4 ("vco") or (voltage adj2 control adj2 oscillator)) with ((gm near4 tans41conduct\$4) or gm\$2c) with linear	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:41
S39	0	(adjust\$4 or correct\$3 or fix\$3) near4 (amplitude) same ("vco") or (voltage adj2 control adj2 oscillator)) with ((gm near4 tans41conduct\$4) or gm\$2c) with linear	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:41
S40	0	(adjust\$4 or correct\$3 or fix\$3) with (amplitude) same ("vco") or (voltage adj2 control adj2 oscillator)) with ((gm near4 tans41conduct\$4) or gm\$2c) with linear	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:41
S41	0	(adjust\$4 or correct\$3 or fix\$3) with (amplitude) same ("vco") or (voltage adj2 control adj2 oscillator)) with ((gm near4 tans41conduct\$4) or gm\$2c)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:42
S42	3	(adjust\$4 or correct\$3 or fix\$3) with (amplitude) with ((gm near4 tans41conduct\$4) or gm\$2c)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/23 17:42
S44	4	(identical\$2 or similar\$3 or "same" or equal\$3) with (("gm\$1c") or (gm near3 trans\$1conduct\$4)) same ("vco") or (voltage adj2 contol\$3 adj3 oscillat\$3)) same ("bpf") or (band adj1 pass adj1 (filter\$5 or equali\$6)))	US-PGPUB; USPAT	OR	ON	2007/04/24 11:19
S45	35	(low adj1 pass adj1 filter) near4 (resistor near3 series near3 capacitor) near5 (ground)	US-PGPUB; USPAT	OR	ON	2007/04/24 14:08
S46	0	((low adj1 pass adj1 filter) or ("lpf")) near4 (resistor near3 series near3 capacitor) near5 (ground) same gm	US-PGPUB; USPAT	OR	ON	2007/04/24 14:09
S47	1	((low adj1 pass adj1 filter) or ("lpf")) near4 (resistor near3 series near3 capacitor) near5 (ground) same (gm or trans\$1conduct\$4)	US-PGPUB; USPAT	OR	ON	2007/04/24 14:09

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S48	1	((low adj1 pass adj1 filter) or ("lpf")) with (resistor near3 series near3 capacitor) near5 (ground) same (gm or trans\$1conduct\$4)	US-PGPUB; USPAT	OR	ON	2007/04/24 14:10
S49	1	((low adj1 pass adj1 filter) or ("lpf")) with (resistor near3 series near3 capacitor) near5 (ground) same (gm or trans\$1conduct\$4 or gm\$1c)	US-PGPUB; USPAT	OR	ON	2007/04/24 14:10
S50	1	((low adj1 pass adj1 (filter\$5 or equali\$6)) or ("lpf")) with (resistor near3 series near3 capacitor) near5 (ground) same (gm or trans\$1conduct\$4 or gm\$1c)	US-PGPUB; USPAT	OR	ON	2007/04/24 14:10
S51	56	((low adj1 pass adj1 (filter\$5 or equali\$6)) or ("lpf")) with (resistor near3 series near3 capacitor) near5 (ground)	US-PGPUB; USPAT	OR	ON	2007/04/24 14:11
S52	22	S51 not S45	US-PGPUB; USPAT	OR	ON	2007/04/24 14:11
S53	1	((low adj2 pass adj2 (filter\$5 or equali\$6)) or "lpf") same (resistor) near4 (series) near5 (capacit\$4) with ground same node with ((band adj1 pass adj2 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/24 14:39
S54	1	((low adj2 pass adj2 (filter\$5 or equali\$6)) or "lpf") same (resistor) near4 (series) near5 (capacit\$4) with ground same node same((band adj1 pass adj2 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/24 14:39
S55	3	((low adj2 pass adj2 (filter\$5 or equali\$6)) or "lpf") same (resistor) near4 (series) near5 (capacit\$4) same ground same node same((band adj1 pass adj2 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/24 14:40
S56	3	((low adj2 pass adj2 (filter\$5 or equali\$6)) or "lpf") same (resistor) near4 (series) near5 (capacit\$4) same ground same node same((band adj1 pass adj2 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/24 14:40
S57	4	((low adj2 pass adj2 (filter\$5 or equali\$6)) or "lpf") same (resistor) with (series) with (capacit\$4) same ground same node same((band adj1 pass adj2 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/24 14:41

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S58	1	S57 not S56	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/04/24 14:41
S59	1	((band adj1 pass adj3 (filter\$5 or equali\$6)) or "bpf") near4 node near6 resistor near3 capacitor	US-PGPUB; USPAT	OR	ON	2007/04/24 15:26
S60	5	((band adj1 pass adj3 (filter\$5 or equali\$6)) or "bpf") with node near6 resistor near3 capacitor	US-PGPUB; USPAT	OR	ON	2007/04/24 15:45
S64	4	"6823292"	US-PGPUB; USPAT	OR	ON	2007/04/24 15:32
S65	13	((band adj1 pass adj3 (filter\$5 or equali\$6)) or "bpf") same node near6 resistor near3 capacitor	US-PGPUB; USPAT	OR	ON	2007/04/24 16:22
S66	13	S65 not S64	US-PGPUB; USPAT	OR	ON	2007/04/24 15:46
S67	52	((band adj1 pass adj3 (filter\$5 or equali\$6)) or "bpf") same node same resistor near3 capacitor	US-PGPUB; USPAT	OR	ON	2007/04/25 11:38
S68	3	((band adj1 pass adj3 (filter\$5 or equali\$6)) or "bpf") same node same resistor near3 capacitor same ((phase adj1 lock\$3 adj1 loop) or "pll")	US-PGPUB; USPAT	OR	ON	2007/04/24 17:41
S69	15	((loop near3 (filer\$5 or equali\$6)) or "lpf") same ((phase adj2 lock\$3 adj2 loop) or "pll") near S45 (eliminat\$3 or delet\$3 or exclud\$3 or diminish\$3) with (spur or glitch) same ((band adj1 pass\$3 near3 (filter\$5 or equali\$6)) or "bpf")	US-PGPUB; USPAT	OR	ON	2007/04/24 17:45
S70	1	"20020011896"	US-PGPUB; USPAT	OR	ON	2007/04/24 17:52
S71	21	"4019148"	US-PGPUB; USPAT	OR	ON	2007/04/24 17:54